

PROJECT DESCRIPTION

GENERAL

THIS PROJECT INVOLVES INSTALLING A RIGHT TURN OVERLAP PHASE FOR WB SPRING STREET AT THE INTERSECTION OF US 29 (COLESVILLE ROAD) AND SPRING STREET IN MONTGOMERY COUNTY. IN ADDITION, ACCESSIBLE PEDESTRIAN SIGNALS WILL BE INSTALLED FOR THE SOUTH, EAST AND WEST LEGS OF THE INTERSECTION. THE EXISTING VEHICULAR TRAFFIC SIGNAL HEADS WILL BE UPDATED TO BLACK FACED LED. US 29 IS ASSUMED TO RUN IN A NORTH-SOUTH DIRECTION.

INTERSECTION OPERATION

THE INTERSECTION WILL OPERATE IN A NEMA FIVE-PHASE, FULL TRAFFIC-ACTUATED MODE WITH EXCLUSIVE-PERMISSIVE PHASING FOR SOUTHBOUND US 29 AND SIDE STREET SPLIT PHASING. A RIGHT TURN OVERLAP PHASE FOR WESTBOUND SPRING STREET IS PROPOSED. THE CONCURRENT PEDESTRIAN PHASES ON THE MAINLINE AND THE SIDE STREET SHALL REMAIN.

CONTROLLER REQUIREMENTS

THE EXISTING BASE MOUNTED CONTROLLER WITH ASSOCIATED HARNESSES SHALL REMAIN. THE MONTGOMERY COUNTY SIGNAL SHOP WILL INSTALL THE 2 WIRE CENTRAL CONTROL UNIT WITHIN THE CABINET.

THE CONTACT PERSONS FOR DISTRICT #3 ARE AS FOLLOWS:

Mr. Jeffrey Wentz
Assistant District Engineer - Traffic
Phone: 301-513-7318

Mr. Augie Reblish
Assistant District Engineer - Utility
Phone: 301-513-7350

Mr. Wayne Mowdy
Assistant District Engineer - Maintenance
Phone: 301-513-7304

Mr. Richard L. Daff Sr.
Chief, Traffic Operations Division
Phone: 410-787-7630

Mr. Edward Rodenhizer
SHA Signal Shop
Phone: 410-787-7650

The Power Company Representative is:
Potomac Electric Power Company
8300 Old Marlboro Pike
Upper Marlboro, Maryland 20772
Phone: 301-961-5325

Mr. Kamal Hamud
Montgomery County Department of Public Works
Phone: 301-277-8761

Mr. Keith Lord
Montgomery County Signal Shop
Phone: 301-279-1291

EQUIPMENT LIST 'A'

EQUIPMENT TO BE FURNISHED BY THE SHA.

ITEM NO	QUANTITY	DESCRIPTION
9571	63 SF	[UPDATED] SHEET ALUMINIUM MAST ARM/POLE MOUNTED SIGN: 2 EA - R10-3(1), (9 IN. X 15 IN.) *PUSH BUTTON TO CROSS COLESVILLE ROAD*, 4 EA - R10-3(1), (9 IN. X 15 IN.) *PUSH BUTTON TO CROSS SPRING STREET*, 1 EA - ASSOCIATED SHIELD ASSEMBLY *NORTH, US 29, RIGHT ARROW* (24 IN. X 51 IN.) 1 EA - ASSOCIATED SHIELD ASSEMBLY *NORTH, US 29, LEFT ARROW* (36 IN. X 75 IN.) 1 EA - ASSOCIATED SHIELD ASSEMBLY *SOUTH, US 29, LEFT ARROW* (36 IN. X 75 IN.) 1 EA - ASSOCIATED SHIELD ASSEMBLY *SOUTH, US 29, RIGHT ARROW* (24 IN. X 51 IN.)

EQUIPMENT LIST 'B'

EQUIPMENT TO BE FURNISHED AND INSTALLED BY THE CONTRACTOR.

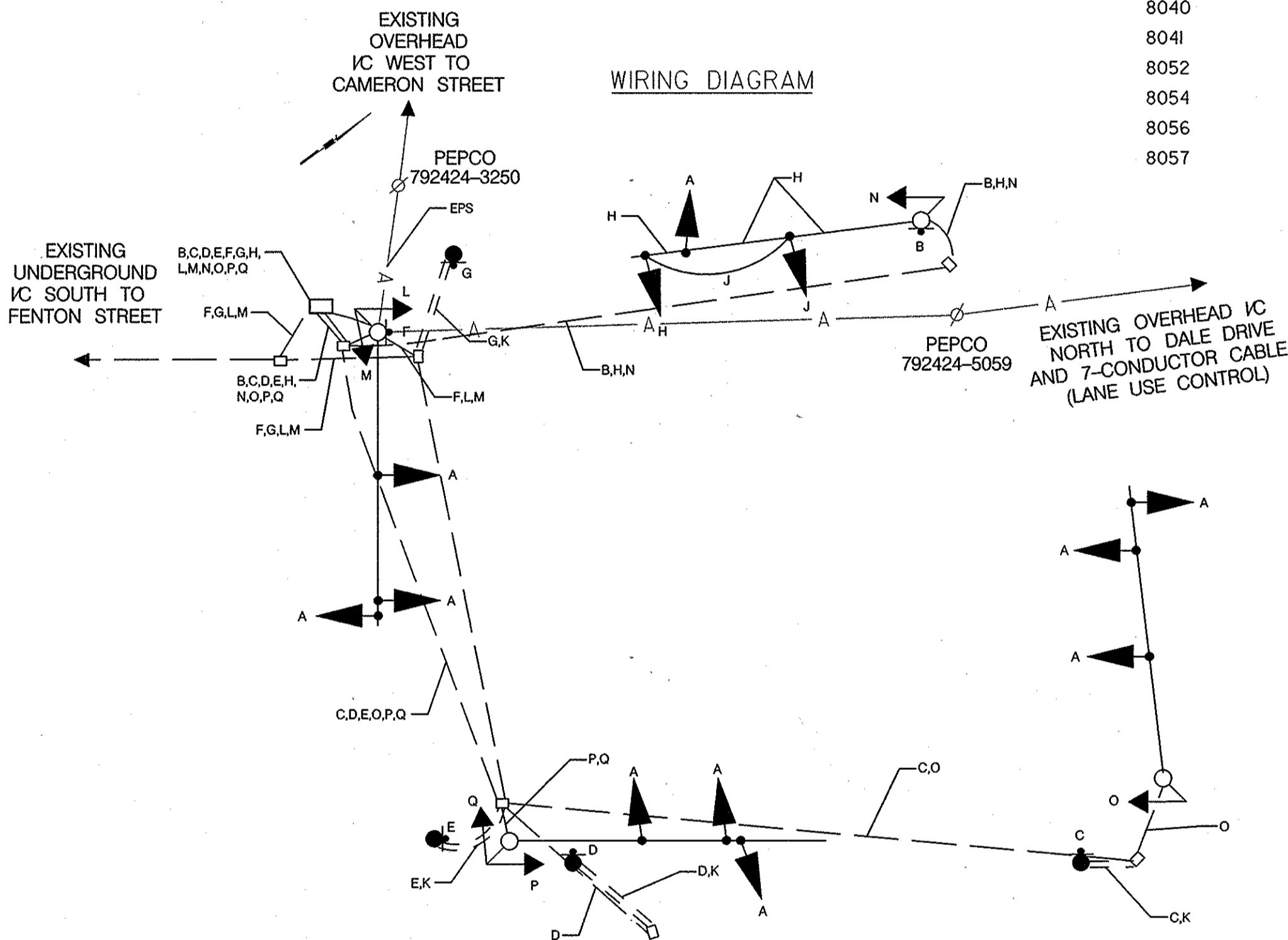
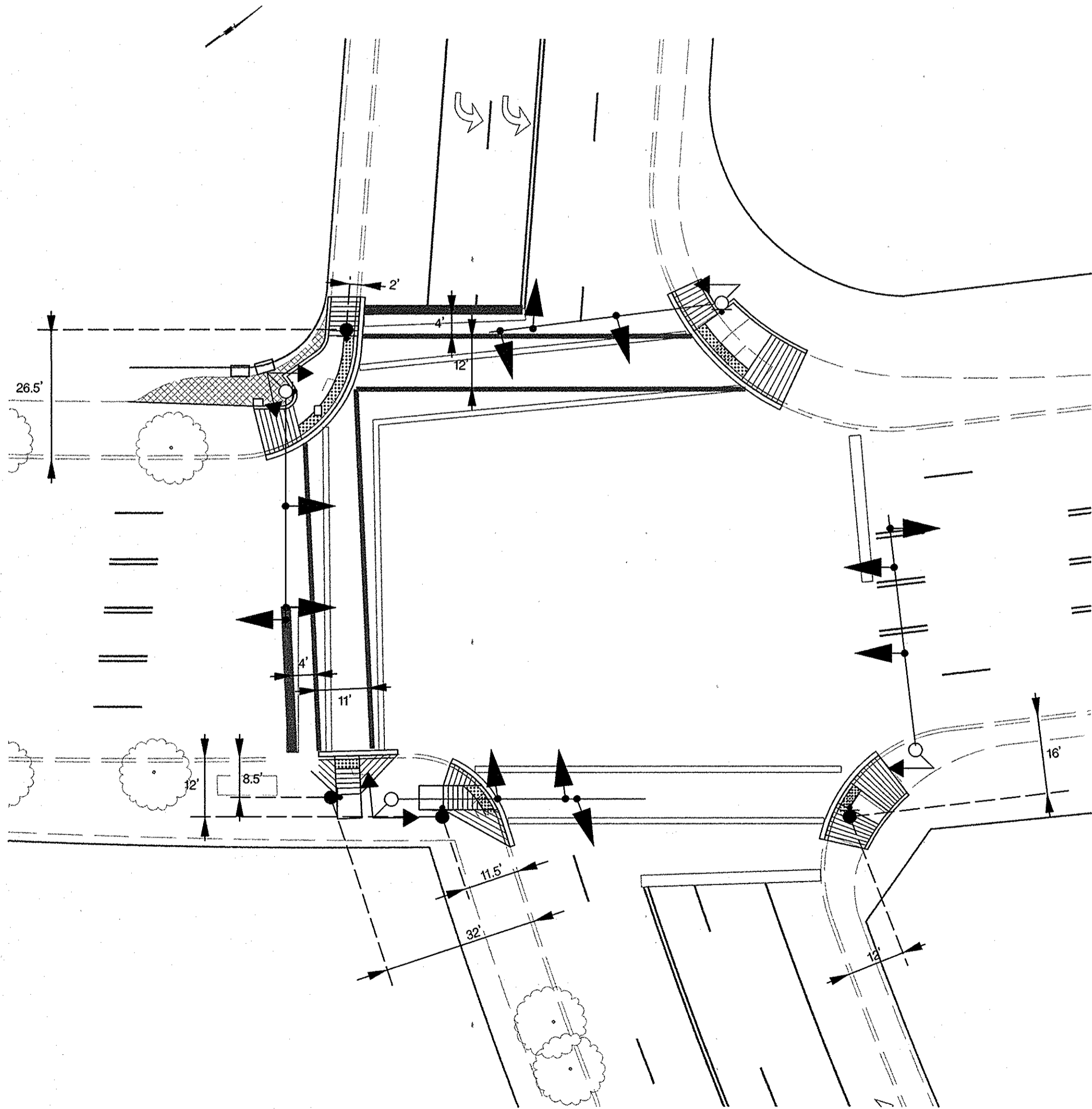
ITEM NO	QUANTITY	DESCRIPTION
1001	1 EA	MAINTENANCE OF TRAFFIC
2002	4 CY	TEST PIT EXCAVATION
5002	355 LF	REMOVAL OF EXISTING PERMANENT PAVEMENT LINE MARKINGS - ANY WIDTH
5004	290 LF	12 INCH HEAT APPLIED WHITE PERMANENT PREFORMED THERMOPLASTIC PAVEMENT MARKINGS
5005	65 LF	24 INCH HEAT APPLIED WHITE PERMANENT PREFORMED THERMOPLASTIC PAVEMENT MARKINGS
6001	255 LF	STANDARD TYPE A COMBINATION CURB AND GUTTER 12 INCH GUTTER PAN 8 INCH DEPTH
6002	1900 SF	4 INCH CONCRETE SIDEWALK
8000	4 EA	PAINT PROPOSED TRAFFIC SIGNAL STRUCTURE
8001	35 EA	12 INCH LED SIGNAL HEAD SECTION
8002	1 EA	2 WIRE CENTRAL CONTROL UNIT
8005	3 EA	ADJUST EXISTING HANDHOLE TO GRADE
8008	6 EA	AUDIBLE/TACTILE PEDESTRIAN PUSHBUTTON STATION & SIGNS
8009	4 EA	BREAKAWAY PEDESTAL POLE (ANY SIZE)
8015	11 EA	LED SIGNAL HEAD MODULES (ANY SIZE)
8022	1 EA	REMOVE & DISPOSE MATERIAL & EQUIPMENT PER ASSIGNMENT
8035	55 LF	SCHEDULE 80 RIGID PVC CONDUIT UP TO 4 INCHES - TRENCHED
8038	120 SF	DETECTABLE WARNING SURFACES
8039	63 SF	INSTALL OVERHEAD OR GROUND MOUNTED SIGN (INCLUDING ALL HARDWARE)
8040	910 SF	REMOVE-REINSTALL DECORATIVE BRICK
8041	55 LF	NO. 6 AWG STRANDED BARE COPPER GROUND WIRE
8052	4 EA	CUT, CLEAN, GALVANIZE AND CAP TRAFFIC SIGNAL STRUCTURE
8054	700 LF	ELECTRICAL CABLE - 2 CONDUCTOR (NO.14 AWG)
8056	800 LF	ELECTRICAL CABLE - 5 CONDUCTOR (NO.14 AWG)
8057	250 LF	ELECTRICAL CABLE - 7 CONDUCTOR (NO.14 AWG)

EQUIPMENT LIST 'C'

EQUIPMENT TO BE REMOVED AND RETURNED TO SHA.

ITEM NO	QUANTITY	DESCRIPTION
NONE	ALL	REMOVED EQUIPMENT SHALL BECOME THE PROPERTY OF THE CONTRACTOR

PROPOSED PEDESTAL POLE, PAVEMENT MARKING
AND APS PUSHBUTTON LAYOUT
(SCALE - 1"=20')



PHASE CHART

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	
PHASE 2 & 5	R	R	R	G	G	G	R	R	R	R	R	R	DW	DW	DW	DW	DW	DW	
PHASE 5 CHANGE	R	R	R	G	G	G	R	R	R	R	R	R	DW	DW	DW	DW	DW	DW	
PHASE 2 & 6	G	G	G	G	G	G	R	R	R	R	R	R	R	W	W	W	W	DW	DW
PHASE 2 & 6 PED CLEARANCE	G	G	G	G	G	G	R	R	R	R	R	R	FL/DW	FL/DW	FL/DW	FL/DW	DW	DW	
PHASE 2 & 6 CHANGE	Y	Y	Y	Y	Y	Y	R	R	R	R	R	R	DW	DW	DW	DW	DW	DW	
PHASE 3	R	R	R	R	R	R	G	G	G	R	R	R	DW	DW	DW	DW	W	W	
PHASE 3 PED. CLEARANCE	R	R	R	R	R	R	G	G	G	R	R	R	DW	DW	DW	DW	FL/DW	FL/DW	
PHASE 3 CHANGE	R	R	R	R	R	R	Y	Y	Y	R	R	R	DW	DW	DW	DW	DW	DW	
PHASE 4	R	R	R	R	R	R	R	R	R	G	G	G	DW	DW	DW	DW	DW	DW	
PHASE 4 CHANGE	R	R	R	R	R	R	R	R	R	Y	Y	Y	DW	DW	DW	DW	DW	DW	
FLASHING OPERATION	FL/Y	FL/Y	FL/Y	FL/Y	FL/Y	FL/Y	FL/R	FL/R	FL/R	FL/R	FL/R	FL/R	DARK	DARK	DARK	DARK	DARK	DARK	

SHA No: MO591A53/C53
TOD No: AT915-29
US 29 @ Spring Street

STATE OF MARYLAND
DEPARTMENT OF TRANSPORTATION
STATE HIGHWAY ADMINISTRATION
OFFICE OF TRAFFIC & SAFETY
TRAFFIC ENGINEERING DESIGN DIVISION
US 29 (COLESVILLE ROAD)
AT SPRING STREET

GENERAL INFORMATION

SCALE	1"=20'	DATE	7/2007	CONTRACT NO.	AT9155185
DESIGNED BY	MCG	COUNTY	MONTGOMERY		
DRAWN BY	MCG	LOGMILE	15002301.04		
CHECKED BY	BAB	T.I.M.S. NO.	1354		
F.A.P. NO.		TOD NO.			
DRAWING NO.	TS-472C-GI	SHEET NO.	2	OF	2

PLOTTED: Friday, July 06, 2007 AT 10:47 AM
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